

# Занятие 2

Введение в CSS.  
Блочная верстка.

# Подключаем CSS стили

```
<head>
  <meta charset="UTF-8">
  <link href="style.css" rel="stylesheet">
  <title>My first page</title>
</head>
```

```
<body>
  <style>
    body{
      background: red;
    }
  </style>
</body>
```

## Структура файлов

```
/project_name
  index.html
  /assets
    /images
      logo.png
      sprite.png
    /styles
      style.css
    /fonts
      openSans.ttf
      openSans.eot
      openSans.woff
      openSans.svg
```

# CSS селекторы

```
//По названию тега  
body{...}  
li{...}  
div ul li{...}
```

```
//По id  
#elem {...}  
div#elem {...}
```

```
//По классу  
.element {...}  
div.element {...}
```

```
//По атрибуту  
.element[href="#"] {...}  
div.element[src="image.jpg"] {...}
```

```
//Для всех элементов  
* {...}  
li * {...}
```

```
//Для всех на том же уровне  
.element ~ div {...}  
.element + a.link {...}
```

```
//Только дочерние элементы  
div.element > ul {...}  
div.element > ul > li {...}
```

```
//Перечисление свойств  
div.element > ul,  
div.element > ol {...}
```

# Псевдоклассы в CSS

```
// Стили для непосещенных ссылок
a:link {...}

// Стили для посещенных ссылок
a:visited {...}

// Стили для активного элемента
.element:active {...}

// Стили для элемента, получающего фокус
.element:focus {...}
```

```
// Реакция элемента по наведению
a:hover {...}
.element:hover {...}

// Отмена ховера для модификатора
.element {
    text-decoration: none;
    color: gray;
    cursor: pointer;
}

.element._active {
    text-decoration: underline;
    cursor: default;
}

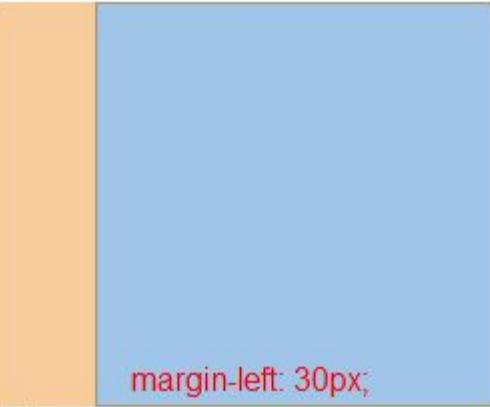
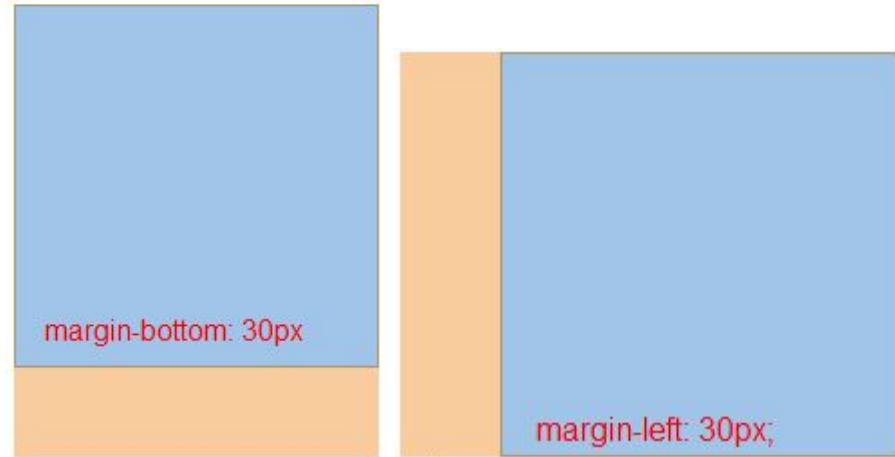
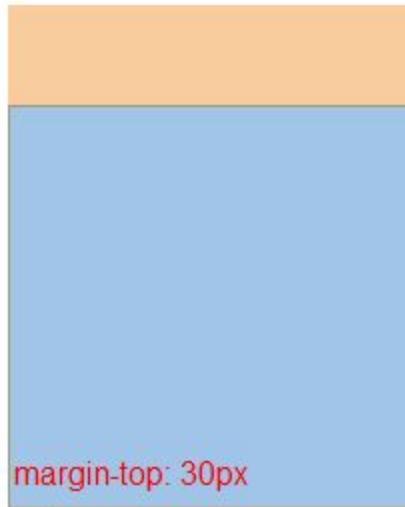
.element:hover {
    text-decoration: underline;
    color: red;
}

.element._active:hover {
    color: gray;
}
```

# CSS свойства

```
//Записывается внутри фигурных скобок {...}  
//Состоит из конструкции ключ/значение разделенные двоеточием, и с точкой с  
запятой в конце  
//Один CSS селектор может содержать любое количество свойств  
//key: value;  
//width: 100px;
```

```
width: value | % | auto | calc();  
height: value | % | auto | calc();  
max-width: value | % | auto | calc();  
min-width: value | % | auto | calc();  
max-height: value | % | auto | calc();  
min-height: value | % | auto | calc();
```



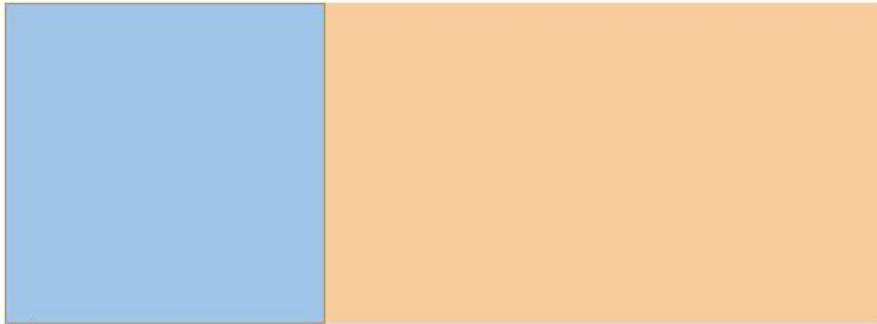
```
margin-top: 10px;  
margin-right: 20px;  
margin-bottom: 15px;  
margin-left: 20px;
```

```
margin: 10px 20px 15px 20px;  
margin: 10px 20px 15px;
```

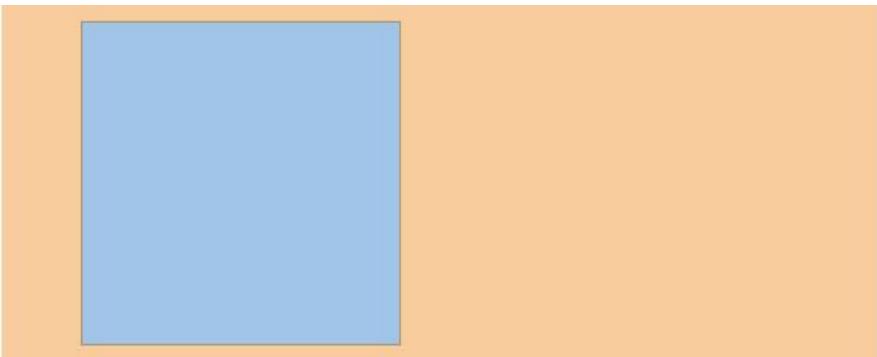
```
margin-top: 10px;  
margin-right: 20px;  
margin-bottom: 10px;  
margin-left: 20px;
```

```
margin: 10px 20px 10px 20px;  
margin: 10px 20px 10px;  
margin: 10px 20px;
```

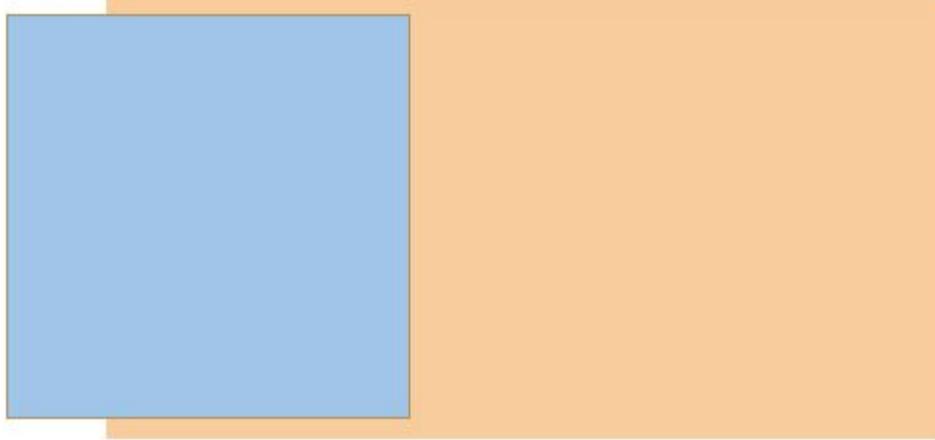
# margin для блочных элементов



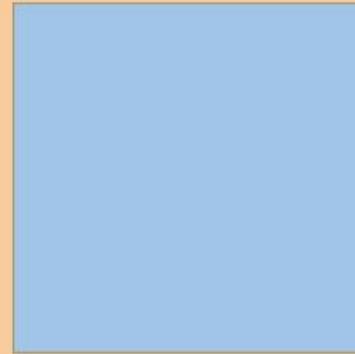
```
width: 200px;  
height: 200px;  
border: 1px solid;
```



```
width: 200px;  
height: 200px;  
border: 1px solid;  
margin: 10px 50px;
```

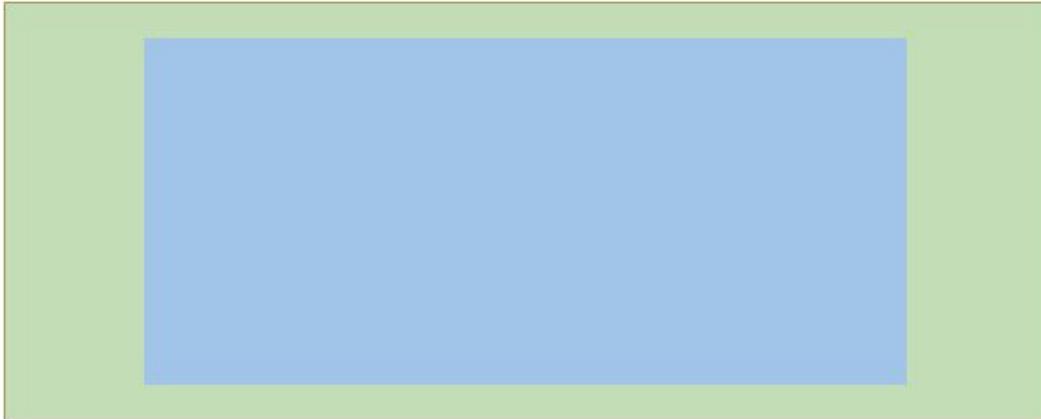


```
width: 200px;  
height: 200px;  
border: 1px solid;  
margin: 10px -50px;
```



```
width: 200px;  
height: 200px;  
border: 1px solid;  
margin: 10px auto;
```

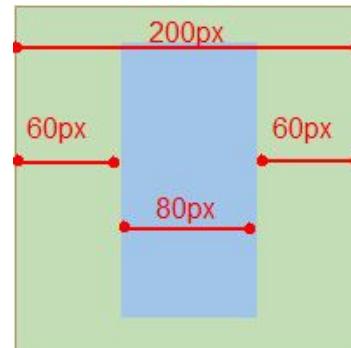
# Поля в CSS



```
height: 200px;  
border: 1px solid;  
padding: 20px 80px;
```



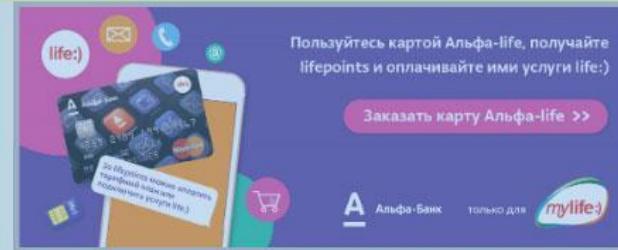
```
width: 200px;  
height: 200px;  
border: 1px solid;  
padding: 20px 60px;  
display: inline-block;
```



```
box-sizing:  
border-box;
```

## НАШИ ПРЕДЛОЖЕНИЯ

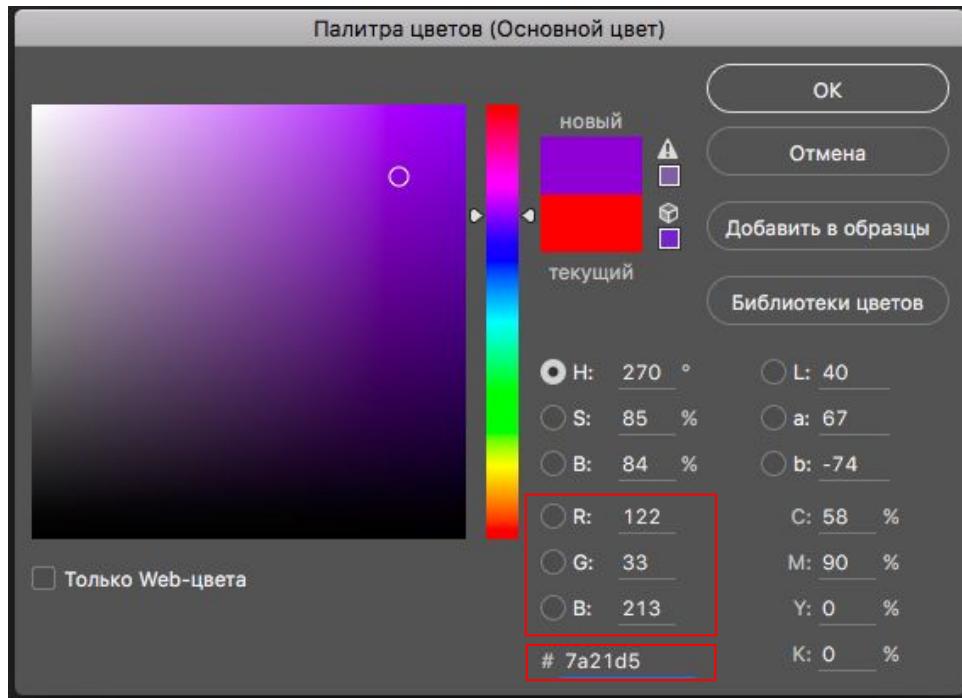
Участники клуба my life:) получают возможность пользоваться самыми разными эксклюзивными предложениями.



# Рамки в CSS

```
border-width: value;  
border-style: solid | dashed | dotted;  
border-color: color | HEX color | rgb color | rgba color;  
  
border-top: 30px solid red;  
border-right: 30px dotted #ccc || #4d5aa7;  
border-bottom: 30px dashed rgb(0, 255, 216) || rgba(0, 255, 216, .8);  
border-left: 30px solid transparent;  
  
// Скругленные углы CSS3 свойство  
border-radius: value | % | auto;  
  
// Группировка свойств  
border: [border-width || border-style || border-color];
```

# Цвета в CSS



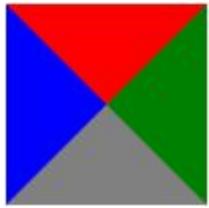
// HEX цвет обозначается хэштегом "#" и записывается в шестнадцатеричной системе счисления, белый цвет обозначается #ffffff или #fff, а черный #000000 или #000  
// #33aa55 === #3a5

//RGB цвет обозначается:  
//color: rgb('red', 'green', 'blue')  
//color: rgb(255,255,255) - белый  
//color: rgb(0,0,0) - черный

//RGBA отличается от RGB только четвертым параметром, который отвечает за прозрачность, где 1 - непрозрачная заливка, а 0 - полностью прозрачный цвет. Дробную часть можно указывать как 0.4, так и просто .4

//color: rgba(122, 33, 213, .6);

# Лайфхаки с border



```
border-top: 50px solid red;  
border-right: 50px solid green;  
border-bottom: 50px solid gray;  
border-left: 50px solid blue;  
width: 0;
```



```
border-top: 50px solid red;  
border-right: 50px solid transparent;  
border-left: 50px solid transparent;  
width: 0;
```

Более подробно на <https://habr.com/post/126207/>  
или по запросу “геометрия на CSS”

# Сетка сайта



## Information Architecture

On the web you have a limited amount of time and real estate to capture your audience and sell your product. IA is the art and science of defining your content structure that converts.



## Graphics & Interface Design

Good design not only reflects the aesthetics of a website—it also its functionality. Beautiful, accessible graphic designs that convert are the perfect formula to convert.



## Front-End Development

Valid, semantic XHTML & CSS markup ensures your website can be crawled easily and properly by a search engine—giving you the control over your online identity.



## Online Marketing

Utilizing the accessibility and power of social technology that we interact with every day, such as email and social networks play a major role in online promotion.

## FEATURED WORK



### Entourage

A community of cyclists who share the core passion of kids, sport, life, establishments, stage events, support of the environment, recycling, healthy living, and more.



### Sumwise

A ground-breaking spreadsheet designed to make modern easier to create and understand while staying true to its original purpose.

## FEATURED ARTICLES

### Conversation by Design

Whatever industry, business or organization you are in, a general fact is that a website must be user friendly. Good web design is necessary if you want to look professional—it's also exists for a much more specific purpose—to convert.

### Let's Drop the Fold

The fold is a fundamental design concept that's been favored for years, but it's also one that's rapidly losing its meaning. That's not to say that it's a bad idea when we're living in an era of digital technology?

### Conversion by Design

Whatever industry, business or organization you are in, a general fact is that a website must be user friendly. Good web design is necessary if you want to look professional—it's also exists for a much more specific purpose—to convert.

### File One: Design & Marketing

File One: Full Article

# Блочная верстка, вариант 1 - float

```
.box {  
    border: 1px solid;  
}  
  
.float-element {  
    width: 33.3%;  
    box-sizing: border-box;  
    padding: 0 10px;  
    border: 1px solid red;  
    float: left;  
}
```

survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged.

It is a long established fact that a reader will be distracted by the readable content of a page when looking at its layout. The point of using Lorem Ipsum is that it has a more-or-less normal distribution of letters, as opposed to using 'Content here, content here', making it look like readable English.

There are many variations of passages of Lorem Ipsum available, but the majority have suffered alteration in some form, by injected humour, or randomised

# Лайфхаки с float

```
<div class="main">
  <div class="price-block">
    <p>★★★★☆</p>
    <div class="btn">$2.25</div>
  </div>
  <div class="description-block">
    <h3>Cablexpert CC-HDMI4-10</h3>
  </div>
  <div class="clear" style="clear: both;"></div>
</div>
```

```
*{margin: 0;}
.main{
  max-width: 350px;
  border: 1px solid;
}
.price-block{
  float: right;
  text-align: center;
  padding: 10px;
}
.price-block .btn{
  font-size: 18px;
  border: 1px solid #ccc;
  padding: 3px 5px;
}
```

Cablexpert CC-HDMI4-10



\$2.25

Cablexpert CC-HD...



\$999.999.999,99

# Блочная верстка, вариант 2 - inline-block

```
.box {  
    border: 1px solid;  
    font-size: 0;  
}  
  
.ib-elem {  
    width: 33.3%;  
    box-sizing: border-box;  
    padding: 0 10px;  
    border: 1px solid red;  
    display: inline-block;  
    font-size: 16px;  
}
```

survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged.

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# Блочная верстка, вариант 3 - flex

```
.box {  
    border: 1px solid;  
    display: flex;  
}  
  
.flex-elem {  
    width: 33.3%;  
    box-sizing: border-box;  
    padding: 0 10px;  
    border: 1px solid red;  
}
```

survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged.

It is a long established fact that a reader will be distracted by the readable content of a page when looking at its layout. The point of using Lorem Ipsum is that it has a more-or-less normal distribution of letters, as opposed to using 'Content here, content here', making it look like readable English.

There are many variations of passages of Lorem Ipsum available, but the majority have suffered alteration in some form, by injected humour, or randomised

# Другие свойства для блоков

```
// Управляет контентом блока, обрезает видимую часть, или добавляет скролл,  
если контента больше, чем величина блока.  
overflow: auto | hidden | scroll | visible | inherit;  
// Задает стиль булетов для списков ul => li, для нумерованных списков читай  
документацию на http://htmlbook.ru  
list-style-type: circle | disc | square;  
// Позволяет скрывать и отображать блок, оставляя его в потоке  
visibility: visible | hidden | inherit;  
// Изменяет внешний вид курсора, необходимо для исполнительных элементов на  
странице, полный перечень возможных значений смотри http://htmlbook.ru  
cursor: default | pointer  
// Выравнивает элементы между собой по горизонтали (!!! для двух и более  
элементов !!!)  
vertical-align: baseline | bottom | middle | top | inherit;  
// Позволяет очистить поток от обтекания  
clear: none | left | right | both | inherit;
```